



#20 1600

RAW SEQUENCE LISTING

DATE: 01/28/2003

PATENT APPLICATION: US/09/640,737B

TIME: 16:21:20

Input Set : A:\36668.txt

Output Set: N:\CRF4\01282003\I640737B.raw

5 <110> APPLICANT: MANDELKOW ET AL.
 7 <120> TITLE OF INVENTION: NOVEL TOOLS FOR THE DIAGNOSIS AND TREATMENT OF ALZHEIMER'S
 DISEASE
 9 <130> FILE REFERENCE: 28384/36668
 11 <140> CURRENT APPLICATION NUMBER: US 09/640,737B
 C--> 12 <141> CURRENT FILING DATE: 1994-06-03
 14 <150> PRIOR APPLICATION NUMBER: US 08/244,603
 15 <151> PRIOR FILING DATE: 1994-06-03
 17 <160> NUMBER OF SEQ ID NOS: 30
 19 <170> SOFTWARE: PatentIn version 3.1
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 441
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Homo sapiens
 27 <400> SEQUENCE: 1
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 30 1 5 10 15
 33 Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His
 34 20 25 30
 37 Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
 38 35 40 45
 41 Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
 42 50 55 60
 45 Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val
 46 65 70 75 80
 49 Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Ala Gln Pro His Thr Glu
 50 85 90 95
 53 Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro
 54 100 105 110
 57 Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val
 58 115 120 125
 61 Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala Lys Gly
 62 130 135 140
 65 Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro
 66 145 150 155 160
 69 Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro
 70 165 170 175
 73 Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly
 74 180 185 190
 77 Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser
 78 195 200 205
 81 Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg Glu Pro Lys
 82 210 215 220
 85 Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser Pro Ser Ser Ala Lys

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86 225                230                235                240
89 Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val
90                245                250                255
93 Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly
94                260                265                270
97 Gly Lys Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser Asn Val Gln
98                275                280                285
101 Ser Lys Cys Gly Ser Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly
102                290                295                300
105 Ser Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser
106 305                310                315                320
109 Lys Cys Gly Ser Leu Gly Asn Ile His His Lys Pro Gly Gly Gly Gln
110                325                330                335
113 Val Glu Val Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser
114                340                345                350
117 Lys Ile Gly Ser Leu Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn
118                355                360                365
121 Lys Lys Ile Glu Thr His Lys Leu Thr Phe Arg Glu Asn Ala Lys Ala
122                370                375                380
125 Lys Thr Asp His Gly Ala Glu Ile Val Tyr Lys Ser Pro Val Val Ser
126 385                390                395                400
129 Gly Asp Thr Ser Pro Arg His Leu Ser Asn Val Ser Ser Thr Gly Ser
130                405                410                415
133 Ile Asp Met Val Asp Ser Pro Gln Leu Ala Thr Leu Ala Asp Glu Val
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137 Ser Ala Ser Leu Ala Lys Gln Gly Leu
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143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial sequence
146 <220> FEATURE:
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152 1                5
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157 <212> TYPE: PRT
158 <213> ORGANISM: Artificial sequence
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161 <223> OTHER INFORMATION: Synthetic peptide
163 <400> SEQUENCE: 3
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166 1                5
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169 <211> LENGTH: 6
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial sequence

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179 1 5
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185 <213> ORGANISM: Artificial sequence
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207 1 5
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212 <212> TYPE: PRT
213 <213> ORGANISM: Artificial sequence
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216 <223> OTHER INFORMATION: Synthetic peptide
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221 1 5
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226 <212> TYPE: PRT
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240 <212> TYPE: PRT
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244 <223> OTHER INFORMATION: Synthetic peptide
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Input Set : A:\36668.txt

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266 <210> SEQ ID NO: 11
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277 1 5 10
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282 <212> TYPE: PRT
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296 <212> TYPE: PRT
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300 <223> OTHER INFORMATION: Synthetic peptide
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304 Ile Gly Asp Thr Pro Ser Leu
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318 Lys Ile Ala Thr Pro Arg Gly Ala
319 1 5
322 <210> SEQ ID NO: 15
323 <211> LENGTH: 7
324 <212> TYPE: PRT

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327 <220> FEATURE:
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353 <211> LENGTH: 13
354 <212> TYPE: PRT
355 <213> ORGANISM: Artificial sequence
357 <220> FEATURE:
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368 <212> TYPE: PRT
369 <213> ORGANISM: Artificial sequence
371 <220> FEATURE:
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377 1 5
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382 <212> TYPE: PRT
383 <213> ORGANISM: Artificial sequence
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391 1 5
393 <210> SEQ ID NO: 20
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395 <212> TYPE: PRT
396 <213> ORGANISM: Artificial sequence
398 <220> FEATURE:
399 <223> OTHER INFORMATION: Synthetic peptide
401 <400> SEQUENCE: 20

VERIFICATION SUMMARY

DATE: 01/28/2003

PATENT APPLICATION: **US/09/640,737B**

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Input Set : **A:\36668.txt**

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date